

<b>1<sup>st</sup> Term : 18 August 2015-27 December 2015 (80 Working days)</b>				
<b>Week No</b>	<b>Duration/ Dates</b>	<b>No of W. Days</b>	<b>Contents</b>	<b>Practical Experiments</b>
1	18 Aug 2015 To 21 Aug 2015	04	<b>Chap # 1 : Introduction to C Language</b> Programming Languages, Machine Language Assembly Language, High Level language	Writing a program which prints a text of 4 lines consisting of characters, integer values and floating point values using printf().
2	24 Aug 2015 To 28 Aug 2015	05	History of C, Basic Structure of C Program Pre-Processor Directive, Header Files Compiling, Linking, Execution	Writing a program that reads and prints the data using the Escape Sequence, (Asking the name, age, height and gender of the student using scanf and printf statements )
3	31 Aug 2015 To 04 Sep 2015	05	<b>Chap# 2: Fundamentals of C Language</b> Constants, Variables, Data types	Writing a program, which uses operators (calculate the area of triangles, volume of spheres and arrange the resultant values in ascending order)
4	07 Sep 2015 To 11 Sep 2015	05	Input & Output Statements, printf(), scanf() Format Specifiers, Escape Sequences	Writing a program which uses 'for' loop statement, ( Generate the multiplication table from 2 to 20 )
5	14 Sep 2015To18 Sep 2015	05	Expression, Types of Operators, Testing & Debugging, Syntax and Logical Errors <b>Chap# 3: Loops</b> Definition, Conditional/Counter loops	Writing a program which uses 'while' loop and Nested 'while' loop, (Use 'for' loop & continue the process in 'while' loop satisfying this condition)
6	21 Sep 2015To25 Sep 2015[EidulAz ha]	02	for Loop, while Loop, do-while Loop, Nested Loops	Finding the factorial of N using 'while' loop, read value of N using scanf and print the factorial of N

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7	28 Sep 2015 To 02 Oct 2015	05	<b><u>1<sup>st</sup> Bimonthly Test</u></b>	
8	05 Oct 2015 To 09 Oct 2015	05	<b><u>Chap# 4: Choices and Decisions</u></b> if Statement, if-else Statement, getche() function, else-if Statement, Switch-Case Construct, Conditional Operator	Draw a checkerboard and print it using if-else statement, and extend the program using Nested if- else
9	12 Oct 2015 To 16 Oct 2015	05	<b><u>Chap# 5: Arrays And Strings</u></b> One Dimensional Array, Initializing One Dimensional Array, Two Dimensional Array Strings	Writing a program which uses a 'switch' statement and break the program if certain condition is observed.
10	19 Oct 2015 To 23 Oct 2015 [Ashura]	03	gets() and puts() Functions, strcmp() Function Initializing array of Strings <b><u>Chap# 6: Functions in C</u></b> Definition, Importance, Benefits of Function	Writing a function, which generates factorial of N and calls this function in the 'main' program
11	26 Oct 2015 To 30 Oct 2015	05	Types of Function, Writing of Functions Prototype, Function Definition, Function Call Functions without arguments	Develop a user-defined function to generate a rectangle. Use the function for passing arguments to draw different sizes of rectangles & squares
12	02 Nov 2015 To 06 Nov 2015	05	Functions passing single parameter, Passing two or more parameters Arguments, passing by value Arguments, passing by address	Finding the factorial of N using 'do-while' loop, read value of N using scanf and print the factorial of N
13	09 Nov 2015 To 13 Nov 2015 [Iqbal Day]	04	Return function, Local and Global Variables <b><u>Chap#7: File Handling</u></b> Introduction to Filing, File Access Methods	Writing a program which uses a 'else-if' statement and display a message if certain condition is met.
14	16 Nov 2015 To 20 Nov 2015	05	fopen(), fclose(), Character Input/Output String Input/Output, Formatted Input/Output	Develop user-defined functions to calculate 'addition', 'subtraction', 'Multiplication' and 'division' on those arguments and return result to 'main' function.

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15	23 Nov 2015 To 27 Nov 2015	05	<b><u>Chap# 8: Introduction to Database</u></b> Traditional File Approach, Database Approach Database Management System Relationship, its Types	Creating different tables and assign primary key
16	30 Nov 2015 To 04 Dec 2015	05	ER-Diagram, Primary key, Secondary & Foreign keys, Indexing, DBA	Create relationship between tables
17	07 Dec 2015 To 11 Dec 2015	05	<b><u>1<sup>st</sup> Term Exams (Send – Up Exams)</u></b>	
18	14 Dec 2015 To 18 Dec 2015	02	<b><u>1<sup>st</sup> Term Exams (Send – Up Exams) /All Pakistan Prize Distribution Ceremony of Co-curricular Activities</u></b>	
19	21 Dec 2015 To 25 Dec 2015	-	<b><u>Winter Vacation</u></b>	
<b><u>2<sup>nd</sup> Term: 28 December 2015-12 April 2016 ( 75 Working Days)</u></b>				
20	28 Dec 2015 To 01 Jan 2016	05	<b><u>Chap# 9: Introduction to Access Database</u></b> Main objects in Ms-Access, Fields, Records, Database Window, Tables, Queries, Forms, Reports	Creating different tables using calculated fields
21	04 Jan 2016 To 08 Jan 2016	05	Creating new Database, Field Data types in Access, Referential Integrity, Design of Table	Use of summary and calculated fields
22	11 Jan 2016 To 15 Jan 2016	05	<b><u>Chap# 10: Using Datasheet to enter Data</u></b> Viewing Datasheet, Using Sub Datasheet Entering and Editing Data, Deleting Data	Use of Sorting techniques in tables
23	18 Jan 2016 To 22 Jan 2016	05	Using Formatted Fields, Sorting Information Finding matching records, Filtering Table Data	Using Filter in tables
24	25 Jan 2016 To 29 Jan 2016	05	<b><u>Chap# 11: Using Forms in Access</u></b> Advantages of using Forms, Types of Forms Creating a Form, Using a Form	Create simple forms using wizards and design view
25	01 Feb 2016 To 05 Feb 2016 [Kashmir Day]	04	<b><u>Chap# 12: Using Queries in Access</u></b> Query Wizard, Query Design view, Selecting Fields for Query, Selecting Records by Criteria	Create simple queries using wizard and design view

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26	08 Feb 2016 To 12 Feb 2016	05	<b><u>2<sup>nd</sup> Bimonthly Test</u></b>	
27	15 Feb 2016 To 19 Feb 2016	05	<b><u>Chap# 13: Creating Reports in Access</u></b> Columnar Reports, Tabular Reports, Creating Reports using Auto Report, Report Wizard	Create reports using wizards and design view
28	22 Feb 2016 To 26 Feb 2016	05	Formatting Forms and Reports, Resize Form Header and Footer, Aligning Controls, Changing Color and Border Style, Changing Contents	Using Formatted fields in forms and reports
29	29 Feb 2016 To 04 Mar 2016	05	Preparation of Database	1 <sup>st</sup> Test of Test Series
30	07 Mar 2016 To 11 Mar 2016	05	Preparation of Database	2 <sup>nd</sup> Test of Test Series
31	14 Mar 2016 To 18 Mar 2016	05	Preparation of Database	3 <sup>rd</sup> Test of Test Series
32	21 Mar 2016 To 25 Mar 2016 [Pakistan Day]	04	Preparation of Database	4 <sup>th</sup> Test of Test Series
33	28 Mar 2016 To 01 Apr 2016	05	<b><u>Pre-Board Examination</u></b>	
34	04 Apr 2016 To 08 Apr 2016	05	<b><u>Pre-Board Examination</u></b>	
35	11 Apr 2016 To 15 Apr 2016	02	<b><u>Pre-Board Examination/ Prep Leave</u></b>	